

Title (en)

PASSIVE ELECTRICAL COMPONENT WITH COATING TO IMPROVE THE LOADING CAPACITY

Title (de)

PASSIVES ELEKTRISCHES BAUTEIL MIT BESCHICHTUNG ZUR VERBESSERUNG DER BELASTBARKEIT

Title (fr)

PIÈCE ÉLECTRIQUE PASSIVE PRÉSENTANT UN REVÊTEMENT POUR AMÉLIORER LA CAPACITÉ DE CHARGE

Publication

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Application

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Priority

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- EP 2017069782 W 20170804

Abstract (en)

[origin: WO2018024879A1] The invention relates to passive electrical component, in particular a coil, with an intermediate layer, wherein the intermediate layer has a lower coefficient of thermal expansion than the surface of the passive electrical component that is covered by the intermediate layer, and arranged thereupon a plasma-polymeric, carbon-containing coating with a carbon fraction measured at a depth of 80 nm from the side of the plasma-polymeric coating that is facing away from the intermediate layer, wherein the plasma-polymeric coating comprises a carbon fraction of 50 to 100 atomic%, preferably 50 to 90 atomic%, or in the form of an organometallic coating comprises a carbon fraction of 2 to 50 atomic %, in each case measured by means of XPS.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2018024879A1

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